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R E P O R T

On the Health and Sanitary Condition of the

WESTBURY URBAN DISTRICT

for the year

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Presented to the

WESTBURY URBAN DISTRICT COUNCIL

by

J. REYNOLDS,

Medical Officer of Health
of the Westbury Urban
Sanitary Authority.

Health Department,
Craven House,
Warminster, Wilts.

TO. The Chairman of the Westbury Urban District Council.

Sir,

As directed by the Ministry of Health Circular 28/54 dated 15th December, 1954, I have pleasure in presenting my Annual Report relating to the health and sanitary circumstances of the Urban District of Westbury.

It is followed by the Report of the Sanitary Inspector, Mr. S.H. Prophet, which contains detailed information regarding the sanitary work in the district.

Again I am pleased to thank all Members of the Council for their support and co-operation and it is necessary to stress my indebtedness to your Clerk and all Members of the Public Health Department.

Your obedient servant,

JOSEPH REYNOLDS.

WESTBURY URBAN DISTRICT COUNCIL.

Chairman of the Council.

Mr. N.T. Parker.

Vice-Chairman.

Mrs. D.L. Argent.

Chairman of the Public Health Committee.

Mrs. D.L. Argent.

Councillors:

W.I.B. Macdonald (Mrs.)

F.W. Francis.

W.H. Alley.

E.C. Macey.

A.V. Arnold.

T.E. Masters.

F.H. Fear.

Public Health Officers of The Authority.

Medical Officer of Health.

Joseph Reynolds, M.C., L.R.C.P. Edin., L.R.C.S. Edin.,
L.R.F.P. & S. Glas., D.P.H. (Eng.)

Chief Sanitary Inspector. (Part-time).

S.H. Prophet, A.F.S., A.R. San. I.

Assistant Sanitary Inspector.

J. Webster, A.R. San. I., M.S.I.A.,

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area of the District (acres)	3,686
Population - Registrar General's estimate as at 30th June, 1954.	5,420
Density of Population - People per acre.	0.68 1.47.
Number of Inhabited Houses and Flats as at 31st December, 1954.	1,720
Number of Council Houses at 31st December, 1954.	338
Rateable Value on 1.4.54.	£32,392
Product of a Penny Rate year ending 31st December, 1954.	£128. 8s. 3d.

The chief industries are cloth manufacture, gloving, engineering, building, and umbrella making.

Westbury is also a Railway Junction of importance and a good proportion of the population are employed by British Railways.

V I T A L S T A T I S T I C S.

a)	<u>Live Births.</u>	<u>Male.</u>	<u>Female.</u>
	TOTAL	55	43
	Legitimate	51	41
	Illegitimate	4	2

Live Birth Rate per
1,000 population of the
Urban District. 18.1

Live Birth Rate of the
Urban District after correction
by Area Comparability Factor.(1.05) 19.0

Live Birth Rate per 1,000
population of England & Wales. 15.2

b)	<u>Still Births.</u>	<u>Male.</u>	<u>Female.</u>
	TOTAL	1	0
	Legitimate	1	0

c)	<u>Deaths.</u>	<u>Male.</u>	<u>Female.</u>	<u>Total.</u>
		32	28	60

Crude Death Rate per 1,000
population of the Urban District. 11.1

Death Rate after correction
by Area Comparability Factor (0.93) 10.3

Death Rate per 1,000
population of England and Wales. 11.3

d)	<u>Deaths of Infants under</u> <u>one year of age.</u>	<u>Male.</u>	<u>Female.</u>
	TOTAL	5	1
	Legitimate	4	0
	Illegitimate	1	1

e)	<u>Deaths of Infants under</u> <u>4 weeks of age.</u>	<u>Male.</u>	<u>Female.</u>
	TOTAL	4	1
	Legitimate	3	0
	Illegitimate	1	1

f)

<u>Causes of Death.</u>		<u>Male.</u>	<u>Female.</u>	<u>Total.</u>	<u>Rate per 1000 popula- tion.</u>
<u>Group A - Certain Communicable Diseases.</u>					
1.	Tuberculosis, respiratory	0	0	0	
2.	Tuberculosis, other.	0	0	0	
3.	Syphilitic disease.	0	0	0	
4.	Diphtheria	0	0	0	
5.	Whooping Cough	0	0	0	
6.	Meningococcal infections.	0	0	0	
7.	Acute poliomyelitis	0	0	0	
8.	Measles	0	0	0	
9.	Other infective and parasitic diseases (except Influenza and Pneumonia).	0	0	0	
Total Group A.		0	0	0	0
<u>Group B - Cancer and related Malignant Disease.</u>					
10.	Malignant neoplasm, stomach	1	1	2	
11.	Malignant neoplasm, lung, bronchus	0	0	0	
12.	Malignant neoplasm, breast.	0	1	1	
13.	Malignant neoplasm, uterus.	0	0	0	
14.	Other malignant and lymphatic neoplasms.	5	5	10	
15.	Leukaemia, aleukaemia.	1	1	2	
Total Group B.		7	8	15	2.8
<u>Group C.</u>					
16.	Diabetes	0	0	0	
<u>Group D - Heart Disease and other diseases of circulatory system.</u>					
17.	Vascular lesions of nervous system.	0	5	5	
18.	Coronary disease, angina.	10	4	14	
19.	Hypertension with heart disease.	0	0	0	
20.	Other heart disease.	3	4	7	
21.	Other circulatory disease.	3	1	4	
Total Group D.		16	14	30	5.5

f) Contd.

<u>Causes of Death.</u>	<u>Male.</u>	<u>Female.</u>	<u>Total.</u>	<u>Rate per 1000 popula- tion.</u>
<u>Group E - Respiratory diseases (other than tuberculosis).</u>				
22. Influenza	0	0	0	
23. Pneumonia	1	1	2	
24. Bronchitis	0	0	0	
25. Other diseases of respiratory system.	1	0	1	
	<hr/>	<hr/>	<hr/>	<hr/>
Total Group E.	2	1	3	0.6
<u>Group F.</u>				
26. Ulcer of Stomach and duodenum	0	0	0	
27. Gastritis, enteritis and diarrhoea.	0	1	1	
28. Nephritis and nephrosis.	1	0	1	
29. Hyperplasia of prostate	0	0	0	
30. Pregnancy, childbirth, abortion.	0	0	0	
31. Congenital malformations.	1	0	1	
32. Other defined and ill-defined diseases.	4	3	7	
	<hr/>	<hr/>	<hr/>	<hr/>
Total Group F.	6	4	10	1.8
<u>Group G - Accidents and Violence.</u>				
33. Motor Vehicle Accidents	0	0	0	
34. All other accidents	1	1	2	
35. Suicide.	0	0	0	
36. Homicide and operations of war.	0	0	0	
	<hr/>	<hr/>	<hr/>	<hr/>
Total Group G.	1	1	2	0.4
<hr/>				
37. All cases.	32	28	60	11.1

TABLE OF BIRTH AND DEATH RATES.

(Local Rates after correction by Area Factors.)

Year	Population	Births	Rate per 1,000 population Westbury	Rate per 1,000 population England and Wales.	Deaths	Rate per 1,000 population Westbury.	Rate per 1,000 population England and Wales	Deaths of Infants under one year of age.
1950	5,330	105	20.1	15.8	62	10.4	11.6	5
1951	5,333	92	17.6	15.5	59	10.1	12.5	5
1952	5,375	99	18.8	15.3	65	11.0	11.3	3
1953	5,385	98	18.6	15.4	41	6.9	11.4	0
1954	5,420	98	19.0	15.2	60	10.3	11.3	6

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

a) Laboratory Facilities.

The district is fortunate in having laboratory facilities available to the East and to the West, i.e. in the Pathological Department of the Salisbury Infirmary and the Public Health Laboratory in Bath. Practitioners in the district use the most convenient laboratory, a practice followed by this Department when forwarding specimens of water, milk, ice-cream, or suspected foodstuffs for bacteriological investigation.

b) Ambulance Service.

The Ambulance service is provided and controlled by the Wiltshire County Council. The service to this district is controlled from Bradford-on-Avon where the station is manned continuously. A sub-station in Warminster also serves the district. Non-emergency calls must originate from a doctor, dentist, or midwife.

To obtain an ambulance in an emergency:-

where there is a dialling system in operation, dial 999

where there is no dialling system, lift the receiver and ask for an ambulance.

c) Midwifery, Home Nursing, Health Visitors and Home Helps.

These services are provided and controlled by the Wiltshire County Council, County Hall, Trowbridge, telephone Trowbridge 3641.

d) Clinics and Treatment Centres.

The following Clinics serve the districts:-

1. Ante Natal:

At the Maternity Hospitals concerned.
Consultant Clinics are at Trowbridge and Bradford-on-Avon for patients referred by their own doctor or midwife.

2. Infant Welfare:

Methodist Chapel, George Street, Warminster at 2.30 p.m. on the first and third Fridays of each month.

Methodist Schoolroom, Station Road, Westbury at 2.30 p.m. on the first and third Thursdays of each month.

Progressive Hall, North Bradley at 2.30 - 4 p.m. on the second and fourth Wednesdays of each month.

Trowbridge C.C. Clinic, The Halve, at 2 p.m. on every Tuesday and Thursday.

3. Paediatrics.

Warminster Hospital on second Friday in each month.

4. Diphtheria Immunization.

Immunization is undertaken by the County Council and Medical Officers visit the schools in outlying villages at specific dates for this purpose. All family Doctors will also carry out immunization.

The Warminster Clinic is held on the fourth Friday of every month at 2 p.m., at the Methodist Schoolroom, George Street, Warminster.

The Westbury Clinic is held on the fourth Thursday of every month at 2.30 p.m., at the Laverton Institute, Westbury.

5. Ear, Nose and Throat.
By invitation from the County Council or through the family doctor.
Trowbridge and District Hospital first and third Saturday in each month.
6. Eye.
By invitation from the County Council.
Second and fourth Friday in each month.
7. Orthopaedic.
At Trowbridge, by invitation from the County Council or through the family doctor.
Warminster, on first Monday, first Friday and fourth Thursday in each month.
8. Gynaecology.
At Warminster Hospital on fourth Wednesday in each month, and at Westbury Hospital on first and third Monday.
9. Tuberculosis.
Trowbridge - every Saturday at 10 a.m. - 1 p.m.

Cases referred by own Doctor or by invitation from County Council.
10. Rheumatism.
Alternate Wednesday at Trowbridge and District Hospital.
11. Cancer.
At Bristol and Bath, by arrangement with the County Council.
12. Mental Illness.
Trowbridge and District Hospital, every Tuesday afternoon.
13. Chiropody.
By arrangement with the County Council.
14. Venereal Diseases.

	<u>MEN.</u>	<u>WOMEN.</u>
County Council Clinic, The Halve, Trowbridge.	Tuesday - 5 - 6.30 p.m.	Tuesday - 5 - 6.30 p.m.
General Infirmary, Salisbury.	Tuesday - 11.30 a.m. - 1 p.m.	Wednesday - 6 - 7.30 p.m.
	Friday - 6 - 7.30 p.m.	Saturday - 11.30 a.m. - 1 p.m.
Royal United Hospital, Bath.	Friday - 5 p.m. Saturday - 5 p.m.	Tuesday - 5 p.m. Friday - 2.30 p.m.
St. Martin's Hospital, Bath.	Tuesday - 2 p.m.	Tuesday - 2 p.m.

e) Hospitals.

The four hospitals noted below are within the Rural Area in the respective Urban Districts and are controlled by the West Wiltshire Hospital Management Committee.

	<u>Beds.</u>	<u>Classification.</u>	<u>Type of case dealt with.</u>
Warminster Hospital.	30	Wholly general.	} Acute medical and surgical cases. } Gynaecological cases. } Chronic sick patients for short periods only.
Westbury and District Hospital.	20	do.	
Sambourne Hospital.	95	Mainly chronic sick.	
Beckford Orthopaedic Hospital, Warminster.	32	Orthopaedic	} Aged chronic sick. } Accommodation reserved to the County Council for 40 Welfare residents. Accommodation provided for 11 wayfarers.

Many residents also attend and receive treatment at several Hospitals in Bath and Salisbury.

Maternity cases are admitted to hospitals at Bradford-on-Avon, Trowbridge and Salisbury.

Cases of infectious diseases are admitted to Isolation Hospitals at Trowbridge, Bath and Salisbury. The majority of cases of Tuberculosis are admitted to Winsley Chest Hospital and the Manor Hospital, Bath.

f) Mortuary.

An annual payment is made to the West Wiltshire Hospital Management Committee for mortuary facilities at the Sambourne Hospital, Warminster. The visiting Pathologist has expressed his satisfaction with the facilities provided.

GENERAL INFORMATION.

Ministry of Labour and National Service.

1 Bratton Road,
Westbury.
Telephone: Westbury 296.

Weymouth Street,
Warminster.
Hours: 9 - 5 p.m.
Telephone: Warminster 2351.

Registrar of Births, Marriages and Deaths.

Town Hall, Warminster.
Hours: 10 - 11.30 a.m.
Monday, Wednesday and Friday.

National Assistance Board.

School Lane,
Bellvue Road,
Salisbury.
Telephone: Salisbury 2261.

Bellefield House,
Hilperton Road,
Trowbridge.
Telephone: Trowbridge 2348.

General Information (Contd.)

Ministry of Pensions and National Insurance.

Weymouth Street,
Warminster.
Telephone: Warminster 2351.
Hours 9 - 5 p.m.

Wallbridge House,
Portway,
Frome.
Telephone: Frome 2373.

Bellefield House,
Hilperton Road,
Trowbridge.

Mental Health Officers.

	<u>Home Address.</u>	<u>During Office Hours.</u>	<u>Outside Office Hours.</u>
Mr. C.J.Lewis	40 Westbourne Rd., Trowbridge. Telephone: Trowbridge 2696.	County Hall, Trowbridge. Telephone: Trowbridge 3641.	} Telephone Bradford-on-Avon Ambulance Station to contact the officer on duty. Telephone Bradford-on-Avon 2271.
Deputy: Miss B.A.Bessant	20 Wilcot, Pewsey. Telephone: Pewsey 2243.	2 Church Street, Pewsey. Telephone: Pewsey 3259.	

SECTION C.

PREVENTION AND CONTROL OF INFECTIOUS AND OTHER DISEASES.

Emergency supplies of sera for the treatment of anthrax, botulism and snake-bite are kept at the Ham Green Hospital, Bristol (tel. 31165).

Infectious Diseases notified during 1954:-

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	TOTAL
Scarlet Fever	1	-	-	-	1	-	-	-	-	-	-	-	2
Measles	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough	9	8	6	4	-	-	-	-	1	12	33	10	83

	<u>1949</u>	<u>1950</u>	<u>1951</u>	<u>1952</u>	<u>1953</u>	<u>1954</u>
Measles	243	1	47	30	144	-
Whooping Cough	2	93	7	15	82	83
Scarlet Fever	3	1	30	9	3	2
Poliomyelitis	-	1	1	3	1	-
Food Poisoning	-	-	1	-	-	-
Influenzal Pneumonia	-	-	-	-	1	-
Ophthalmia Neonatorum	1	-	-	-	2	-
Erysipelas	-	1	-	-	1	-

The above table shews the incidence of infectious disease for the past six years. Smallpox and diphtheria have not attacked any inhabitant but this immunity will only persist provided children are duly immunized and vaccinated against these diseases.

Tuberculosis.

	<u>Pulmonary.</u>		<u>Non-Pulmonary.</u>	
	<u>Male.</u>	<u>Female.</u>	<u>Male.</u>	<u>Female.</u>
Cases on Register at 31.12.54	14	17	17	15
New Cases notified during 1954.	6	3	2	1
Transfers in.	-	-	-	1
Deaths.	-	-	-	-
Recovered.	1	-	1	3
Transferred out of district	-	2	-	-

By courtesy of the South Western Regional Hospital Board a Mass Radiography Unit visited Westbury and made a survey during the week ending 23rd March. Nine hundred and eighty three miniature films were taken which resulted in the discovery of four cases with active disease. Five cases with inactive lesions were referred to the patient's own doctor or the Chest Physician for observation.

Cases of Whooping Cough should become less frequent as the numbers of infants immunized against this disease increases.

The incidence of measles presents a biennial pattern as in the rest of England and Wales. Although no death has ensued from this disease it cannot be regarded as a trivial childhood infection since its complications can produce severe disability and cases of encephalitis due to measles have occurred in the district. Supplies of serum for treating selected cases or prophylaxis of selected cases of measles are available to medical practitioners on application to the Director of the Public Health Laboratory at Bath.

The ubiquitous streptococcus is always present in the town causing scarlet fever and erysipelas. Every person with a sore throat should be fully aware that although he or she is not sickening with a rash the germs causing the sore throat can cause scarlet fever. Obviously it is not fair to one's fellow citizens to spread such an infection and all steps should be taken to prevent such dissemination. "Coughs and sneezes" can spread infections other than the common cold.

Poliomyelitis (Infantile Paralysis) has made sporadic appearances, not in infants, but mainly in young adults, following the general age pattern of infection in this country. It can be assumed that for one case admitted to hospital about ten persons were infected and were infectious to others although they did not shew any signs of disease. To prevent such infection the strictest attention to personal hygiene and particularly to the hygienic preparation of food is necessary. Dysentery, poliomyelitis and food poisoning are too common diseases of the period in which we live and, it is worth repeating, will only become uncommon as a result of strict hygiene in preparing and partaking of food and drink.

National Assistance Act, 1948.

No action under this section has been necessary during 1954.

IMMUNIZATION AND VACCINATION STATISTICS 1954.

(By courtesy of Dr. C.D.L.Lycett, C.M.O.H., Wiltshire.)

Age Group	Under 1	1	2	3	4	5 - 9	10 - 14	Total under 15
Primary imms. completed during 1954	54	35	5	4	4	14	2	118
Reinf. inj.s. administered during 1954	-	-	-	-	22	108	59	189
Total immunized child population at 31st Dec. 1954	-	59	71	77	82	#50 ##450	#129 ##285	1203

Age Group	Under 1	1	2 - 4	5 - 14	15 or over
Vaccinations	36	2	2	1	6
Re-vaccinations	-	-	-	1	11

SECTION D.

INSPECTION AND SUPERVISION OF FOOD.

Milk.

No. of Retailers registered	3
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No. of Dairies registered	-	3
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The licences granted during the year to sell designated milk as provided by the Milk and Dairy Regulations 1949 were:

Dealers' Licences issued to use the special designation Tuberculin Tested. - 3.

Dealers' Licences issued to use the special designation Pasteurized. - 3

Supplementary Licences issued to use the special
designation Tuberculin Tested. - 1

Supplementary Licences issued to use the special designation Pasteurized. - 1

Milk Sample Reports.

(a) Tuberculin Tested Milk.

Date.	Retailer.	Producer.	Methylene Blue Test.	Biological Test for Tuberculosis.
7.1.54	X	A	Satisfactory	Satisfactory
7.1.54	X	B	do.	do.
7.1.54	X	C	do.	do.
7.1.54	X	D	do.	do.
7.1.54	X	E	do.	do.
22.1.54	X	F	Unsatisfactory	do.
22.1.54	X	G	do.	do.
29.1.54	X	C	Satisfactory	-
29.1.54	X	A	do.	-
29.1.54	X	F	do.	-
29.1.54	X	B	do.	-
29.1.54	X	D	do.	-
29.1.54	X	G	do.	-
13.2.54	Y	H	do.	-
13.2.54	X	-	do.	-
13.2.54	Z	J	do.	Satisfactory
22.2.54	X	D	do.	-
18.3.54	Z	J	do.	-
18.3.54	X	G	Unsatisfactory	-

Date.	Retailer.	Producer.	Methylene Blue.	Biological Test for Tuberculosis.
18.3.54	X	A	Unsatisfactory	-
26.3.54	X	B	Satisfactory	Satisfactory
26.3.54	X	G	do.	do.
26.3.54	X	A	Unsatisfactory	do.
26.3.54	X	B	do.	do.
30.3.54	X	A	do.	-
15.4.54	X	F	Satisfactory	-
15.4.54	Y	H	do.	-
28.4.54	X	E	do.	-
28.4.54	X	-	do.	-
28.4.54	X	F	do.	-
12.5.54	Y	H	do.	-
13.5.54	Z	J	do.	-
2.6.54	Y	H	do.	-
20.7.54	Y	H	do.	-
20.7.54	Y	H	Unsatisfactory	-
20.7.54	Z	-	do.	-
19.8.54	Y	H	Satisfactory	-
8.9.54	Z	-	Unsatisfactory	-
30.9.54	Z	-	Satisfactory	-
21.10.54	Z	H	do.	-
9.12.54	Z	J	do.	-
9.12.54	Y	H	do.	-
23.12.54	Y	H	do.	-

(b) Pasteurized Milk.

Date.	Retailer.	Producer.	Methylene Blue Test.	Phosphatase Test.	Biological Test for Tuberculosis
25.1.54	X	H	Satisfactory	Satisfactory	Satisfactory
14.5.54	X	M	-	do.	-
21.5.54	X	M	-	do.	-
2.6.54	X	M	Satisfactory	do.	-
22.7.54	N	M	-	Satisfactory	-
20.8.54	X	M	-	do.	-

<u>Date.</u>	<u>Retailer.</u>	<u>Producer.</u>	<u>Methylene Blue Test.</u>	<u>Phosphatase Test.</u>	<u>Biological Test for Tuberculosis.</u>
11.8.54	X	M	-	Satisfactory	-
1.10.54	X	M	Satisfactory	do.	-
23.10.54	Z	H	do.	do.	-
13.11.54	X	M	do.	do.	-
15.11.54	X	M	do.	do.	-
13.12.54	X	M	do.	do.	-
23.12.54	X	M	do.	do.	-
23.12.54	Z	H	do.	do.	-

(c) Undesignated Milk.

<u>Date.</u>	<u>Retailer.</u>	<u>Producer.</u>	<u>B.Coli present in dilution.</u>	<u>Methylene Blue Test.</u>	<u>Biological Test for Tuberculosis.</u>
13.2.54	Y	I	-	Satisfactory	Satisfactory
4.6.54	Y	I	1/1000 m.l	Unsatisfactory	-
22.7.54	Y	I	1/1000 m.l	do.	Satisfactory
23.8.54	Y	I	1/1000 m.l	do.	do.
2.10.54	Y	I	1/10 m.l	do.	do.
20.10.54	Y	I	1/1000 m.l	do.	do.

<u>TOTAL.</u>		<u>Tuberculin Tested.</u>	<u>Pasteurised.</u>	<u>Undesignated.</u>
Satisfactory	-	33	14	1
Unsatisfactory	-	10	-	5

Whenever a sample is found to be unsatisfactory the dealer, if registered with this Authority, is advised and check samples taken until a satisfactory result is obtained. Should the retailer's dairy be outside the district the facts are communicated to the Medical Officer of Health for that district. In the case of producers the matter is referred to the officers of the Ministry of Agriculture.

(d) Examination of Containers.

Examination of bottles for cleanliness is done by taking a bottle from the filling machine before it is filled with milk. The bottle is capped in the ordinary way and the residual washing water examined at the bacteriological laboratory.

The following provisional classification is suggested by the Public Health Laboratory Service:-

Not more than 600	-	Satisfactory
Not more than 2000	-	Fairly satisfactory
Over 2000	-	Unsatisfactory

The bottle washings are also examined for the presence of B.Coli, i.e. excremental organisms.

Date.	Retailer.	Colonies per Bottle.	B.Coli Present in			
			1 c.c.	1/10	1/100	1/1000
25.1.54	X	3880	-	-	-	-
11.2.54	X	350	-	-	-	-
11.2.54	X	6400	-	-	-	-
25.2.54	X	160	-	-	-	-
25.2.54	X	6080	+	+	+	-
25.2.54	X	2640	-	-	-	-
4.3.54	X	100	-	-	-	-
4.3.54	X	710	+	-	-	-
4.3.54	X	20	-	-	-	-
4.3.54	X	10	-	-	-	-
22.3.54	X	140	-	-	-	-
22.3.54	X	30	-	-	-	-
27.3.54	X	5000+	+	+	+	+
11.4.54	X	40	-	-	-	-
11.4.54	X	30	-	-	-	-
16.4.54	X	100	-	-	-	-
16.4.54	X	200	-	-	-	-
29.4.54	X	50	-	-	-	-
29.4.54	X	20	-	-	-	-
21.5.54	X	Nil	-	-	-	-
21.5.54	X	30	-	-	-	-
2.10.54	X	1600	-	-	-	-
2.10.54	X	750	-	-	-	-

Date.	Retailer.	Colonies per Bottle	B.Coli Present in			
			1 c.c.	1/10	1/100	1/1000
20.10.54	X	40	-	-	-	-
20.10.54	X	20	-	-	-	-
11.11.54	X	2740	-	-	-	-
11.11.54	X	1200	-	-	-	-
22.11.54	X	420	-	-	-	-
22.11.54	X	14400	-	-	-	-
22.11.54	X	5160	-	-	-	-
22.11.54	X	360	-	-	-	-
22.11.54	X	780	+	-	-	-
29.11.54	X	Nil	-	-	-	-
29.11.54	X	40	-	-	-	-
29.11.54	X	3200	+	+	-	-
29.11.54	X	10	-	-	-	-
29.11.54	X	500	-	-	-	-
10.12.54	X	30	-	-	-	-
10.12.54	X	Nil	-	-	-	-
22.12.54	X	Nil	-	-	-	-
22.12.54	X	10	-	-	-	-
TOTAL.			Satisfactory	-	27	
			Fairly satisfactory	-	5	
			Unsatisfactory	-	9	

Ice Cream.

Twenty-three (23) premises are now registered for the sale of ice-cream but the ice-cream is supplied by four (4) manufacturers. Nine (9) samples were taken and Laboratory examination shewed the following results:-

<u>Date.</u>	<u>Producer.</u>	<u>Retailer.</u>	<u>Result.</u>
2.6.54	A	L	Satisfactory
2.6.54	B	M	do.
3.6.54	C	-	do.
3.6.54	C	-	do.
16.9.54	D	N	do.
16.9.54	B	O	do.
16.9.54	A	P	Unsatisfactory
16.9.54	D	-	Satisfactory
16.9.54	D	-	Unsatisfactory

SECTION E.

SANITARY CIRCUMSTANCES OF THE AREA.

Water Supplies.

The source at Wellhead normally gives a wholesome water without treatment but the Bratton Road supply in the raw state is often grossly polluted. In addition clinical analysis has shewn water from the Bratton Road supply to be acid in reaction which will cause corrosion.

No. of Premises supplied from town mains - 1843 (1806)
 No. of Premises supplied from other sources - 15 (17)
 (Figures for 1953 in brackets)

Sampling gave the following results:-

<u>Treated Water.</u>		<u>Bact:</u> <u>Count</u> <u>Cols:</u> <u>per</u> <u>1 m.1</u>	<u>Estimated</u> <u>Coli</u> <u>Aerogenes</u> <u>count per</u> <u>100 m.1</u>	<u>Estimated</u> <u>Faecal B</u> <u>Coli count</u> <u>per 100 m.1</u>
<u>Date.</u>	<u>Source of Sample.</u>			
18.1.54	69 West End, Westbury.	23	Nil	Nil
18.1.54	Standpipe, 91 Westbury Leigh	Nil	Nil	Nil
9.2.54	14 Penleigh Grove, Westbury	Nil	Nil	Nil
9.2.54	Fountainville	Nil	Nil	Nil
22.3.54	Standpipe, Fountainville.	2	Nil	Nil
22.3.54	Standpipe, 91 Westbury Leigh	Nil	Nil	Nil
12.4.54	Town Mains	Nil	Nil	Nil
17.5.54	96 Eden Vale, Westbury.	Nil	Nil	Nil
17.5.54	14 Penleigh Grove, Westbury	Nil	Nil	Nil
5.7.54	Standpipe, 89 Westbury Leigh	2	Nil	Nil
5.7.54	Standpipe, Fountainville.	14	Nil	Nil
23.8.54	12 Ash Grove, Westbury.	Nil	Nil	Nil
23.8.54	Laverton Institute, Westbury	1	Nil	Nil
28.9.54	21 Church Street, Westbury	1	Nil	Nil
11.11.54	30 Edward Street, Westbury.	Nil	Nil	Nil
6.12.54	Standpipe, 61 Leigh Rd, Westbury	Nil	Nil	Nil
6.12.54	Standpipe, 39 Haynes Rd, "	2	Nil	Nil
5.7.54	Laverton Institute, Westbury	16	Nil	Nil

Untreated Water.

5. 1.54	Wellhead No.3 Borehole	496	Nil	Nil
11.1.54	do.	55	3	Nil
18.1.54	do.	500+	Nil	Nil
25.1.54	do.	1	Nil	Nil
9.2.54	do.	2	7	Nil
15.2.54	do.	264	Nil	Nil
22.2.54	do.	15	7	3
1.3.54	do.	1	Nil	Nil
8.3.54	do.	1	Nil	Nil
15.3.54	do.	2	Nil	Nil
22.3.54	do.	Nil	Nil	Nil
30.3.54	do.	176	Nil	Nil
5.4.54	do.	Nil	Nil	Nil
12.4.54	do.	3	Nil	Nil
26.4.54	Wellhead No.2 Borehole	8	5	Nil
4.5.54	do.	Nil	Nil	Nil
10.5.54	do.	Nil	Nil	Nil
17.5.54	do.	1	Nil	Nil
24.5.54	do.	4	Nil	Nil
31.5.54	do.	Nil	Nil	Nil
14.6.54	do.	Nil	Nil	Nil
21.6.54	do.	Nil	Nil	Nil
28.6.54	do.	4	Nil	Nil
5.7.54	do.	7	Nil	Nil
12.7.54	do.	2	Nil	Nil
26.7.54	do.	9	Nil	Nil
23.8.54	do.	2	Nil	Nil

<u>Untreated Water.</u>		<u>Bact:</u>	<u>Estimated</u>	
		<u>Count</u>	<u>Coli</u>	<u>Estimated</u>
		<u>Cols</u>	<u>Aerogenes</u>	<u>Faecal B</u>
		<u>per</u>	<u>count per</u>	<u>Coli count</u>
<u>Date.</u>	<u>Source of Sample.</u>	<u>1 m.l</u>	<u>100 m.l.</u>	<u>per 100 m.l</u>
29.8.54	Wellhead No.1 Borehole	5	Nil	Nil
8.9.54	Wellhead No.2 Borehole			Nil
11.11.54	Wellhead No.3 Borehole	1	11	Nil
22.11.54	do.	3	Nil	Nil
6.12.54	do.	2	13	Nil

Untreated Water.

18.3.54	Bratton Rd. Pumping Station	10	50	Nil
30.3.54	do.	Nil	Nil	Nil
12.4.54	do.	2	5	Nil
26.4.54	do.	3	14	Nil
10.5.54	do.	14	Nil	Nil
24.5.54	do.	6	11	Nil

Chemical Reports.

REPORT on the Analysis of a sample of Water received
8.3.54 from Wellhead No.3 Borehole, Laverton Institute.

Physical Characters - Clear colourless water.

CHEMICAL.

Parts per 100,000

Reaction	Alkaline pH	7.1
Saline and free Ammonia		Nil
Organic (or "albuminoid") ammonia		0.001
Oxygen absorbed from permanganate in two hours at 27°C		0.017
Chlorides		1.6
Nitrogenas nitrates		1.0
Total Hardness		20.8
(a) Temporary		15.1
(b) Permanent		5.7
Poisonous Metals		Nil
Nitrites		Nil
Microscopical examination of the Sediment		Nil

OPINION: Chemical examination satisfactory.

Date: 11.3.54.

REPORT on the Analysis of a sample of Water received
18.3.54 from Bratton Road Well.

Physical Characters: Clear water with small brownish
deposit. Oily film on surface.

CHEMICAL:

Parts per 100,000

Reaction	Acid pH 6.8; after boiling Alkaline pH 8.3	
Saline and free Ammonia		Nil
Organic (or "albuminoid") ammonia		0.001
Oxygen absorbed from permanganate in two hours at 27°C		0.03
Chlorides		1.4
Nitrogenas nitrates		0.2
Total Hardness		24.6
(a) Temporary		16.4
(b) Permanent		8.2
Poisonous Metals		Nil
Nitrites		Nil
Microscopical examination of the Sediment		Iron rust

Continued.....

BACTERIOLOGICAL: A very faint film suggestive of an oil, but without odour, was present on the surface.

Total Colonies in 48 hours	10	Per 1 c.c. of Water growing at 37°C.
Number of Coli-Aerogenes organisms	50	Per 100 c.c. of Water growing at 37°C.
Number of Faecal types of B.Coli	Nil	Per 100 c.c. of Water growing at 44°C.

OPINION: This is an acid water and at the same time a hard water. The acidity is due to carbonic acid gas but this is not apparently causing corrosion.

Date: 24.3.54.

Atmospheric Pollution Measurements.

In 1948 the Chief Inspector of Alkali (etc.) Works suggested to the Authority that it would be advisable to install dust deposit gauges near the site of the proposed Cement Works. He was of opinion that in the event of a nuisance arising "actual figures of dust content in the atmosphere provided by samples taken both before and after the installation of the works are likely to be more satisfactory than personal opinion".

The Department of Scientific and Industrial Research advise that "the month to month fluctuations in deposited matter are often the result of variations in weather and a long period of observation, preferably five years, is needed before reliable conclusions can be drawn about the average level of pollution or about the rate at which it is being produced".

It gave me great pleasure when the Authority decided to install two gauges during 1954. The Warminster and Westbury Rural District Council also decided to install a gauge. The Department of Scientific and Industrial Research sent an officer to the district who advised me of the most suitable sites on which to place the gauges. After samples had been taken for three months the Westbury Urban District Council decided not to continue to take samples. The Rural District Council have continued to take such samples and in view of the remarks at the head of this section I am sure they are pursuing the proper course.

Trade Effluents.

As a result of trade effluents feeding into the River Biss, the Avon River Board has made representation to this Authority and the manufacturers concerned with regard to cloth scouring liquors being admitted to the Westbury Council's sewer. This admission will require alteration to the sewage plant and the Authority is at present considering the alteration necessary.

FACTORIES ACTS, 1937 and 1948.

1. INSPECTIONS for purposes of provisions as to health
(including inspections made by Sanitary Inspectors).

Premises	Number on Register	Number of		
		Inspections	Written notices	Occupiers prosecuted
i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities	-	-	-	-
ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	36	74	2	
iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	-	-	-	-
TOTAL	36	74	2	-

2. CASES IN WHICH DEFECTS WERE FOUND

Particulars	Number of cases in which defects were found.				Number of Cases in which prosecu- tions were institu- ted.
	Found	Remedied	Referred to H.M. Inspector	By H.M. Inspector	
Sanitary Conveniences (S.7)-					
(a) Insufficient	2	-	-	-	-
(b) Unsuitable or defective	-	6	-	1	-
TOTAL	2	6	-	1	-

OUTWORK (Sections 110 and 111)

No. of out-workers in August list
required by Sect.110(1)(c)

Wearing apparel (making, etc.)	573
Umbrellas, etc.	17
TOTAL	590

The Sanitary Inspector reports as follows:-

Housing.

During the year 26 houses were completed and occupied at the Oldfield Park Housing Estate. This number showed a decrease of 20 houses on the previous year's figure although it must be remembered that the 46 houses which were completed and occupied in 1953 resulted from the speeding up of the 1952 and 1953 housing programmes. The total number of houses occupied on the Estate at the 31st December 1954 was 204.

During the year 9 dwellings were completed by private enterprise.

The hutted camp site at Fontainville was due to be derequisitioned on the 31st December 1954 and in view of this imminent derequisition, 10 of the 11 tenancies were determined and the huts demolished.

Five requisitioned houses in the town were derequisitioned and now there are no requisitioned houses in the Urban District.

Refuse Collection and Disposal.

Refuse is disposed of by the method known as controlled tipping at the site in Slag Lane, Westbury. The tipping facilities are shared by Melksham Urban District who commenced using the tip in April 1954. Although a large amount of covering material stacked on the tip was spread by bulldozer during the early summer and an additional 500 cubic yards of earth from excavations in the town was also used for cover, the shortage of suitable covering material was acute.

An infestation of flies which developed at the tip during the summer months was controlled by daily treatment with a D.D.T. solution. This infestation was attributable to the shortage of suitable covering material.

Frequent inspections of the tip were undertaken and the Rodent Operator carried out treatments on four occasions during the year.

SEWERAGE AND SEWAGE DISPOSAL.

The Sewage Works at Frogmore continued to operate satisfactorily during dry weather conditions. Several field tests made on the effluent from the humus tanks gave satisfactory results. These tests were made by an Inspector of Pollution from the Bristol Avon River Board.

In times of storm, however, the present pumping and storage facilities were still inadequate to deal with the combined flow and the overflow at the Sewage Works was of necessity brought into action. Proposals have been received from the Council's Consulting Engineers for the provision of a relief sewer at Frogmore Road and the construction of a storm water overflow as the first instalment of the works considered necessary by them. Negotiations are now in hand to put this proposal into effect.

Sanitary Inspections.

The analysis of the inspections and visits for the year is appended.

Pest Control.

The Rodent Operator whose services were shared with the Warminster Urban District Council, visited and treated dwelling-houses, factories, farms, smallholdings and shops in the district

with good results. The refuse tip had been treated regularly with good results and after the March treatment of sewers in the district the infestation was considered by the Rodent Control Division of the Ministry of Agriculture and Fisheries to be so slight that they proposed the abandonment of the September treatment in favour of a test baiting in March, 1955.

Milk.

Frequent sampling of milk in the district, inspections of dairy premises and bacteriological examinations on "rinsed bottles" produced satisfactory results. During the early part of 1954 several samples of Tuberculin Tested Milk failed the Methylene Blue reduction test and several bottles after their final rinsing from the same premises gave unsatisfactory bacteriological counts. During the year, however, various improvements were carried out at the dairy premises concerned including the installation of a holder type pasteurising plant. The milk from this dairy is now pasteurized and after preliminary "teething troubles" the plant gave satisfactory results.

Follow-up procedure was applied with regard to the unsatisfactory rinsed bottles samples and after various modifications to the bottle washing plant, the careful supervision of the use of detergents etc., the results of examinations of these samples, towards the end of the year, gave satisfaction.

During the latter part of the year samples of a raw, undesignated milk sold in the town showed unsatisfactory results. These results were notified to the Milk Advisory Officer who investigated the source of the supply on several occasions. The herd from which the supply came was sold in the latter part of the year.

The only milk supplied in the district at the end of the year was Tuberculin Tested and Pasteurized.

Food and Drugs Act, 1938. /Shops Act, 1950.

Inspections of food and other shop premises during the year have shown that a good standard was maintained. Contraventions were few and of a minor character. These were rectified by informal action.

During the year surrender certificates were issued in respect of 341 items of food (mostly tinned goods from a warehouse in the district) voluntarily surrendered.

Swimming Baths.

The Swimming Bath in the town which is owned by the Urban District Council was redecorated during the latter part of the year, and a new filtration and chlorination plant is to be installed during the early months of 1955. This will ensure more wholesome conditions in the bath and a better distribution of chlorine than could have previously been attained by the manual method of chlorination employed.

Sanitary Inspections of the District.

The following is a summary of the inspections and visits made during 1954:-

Housing - Public Health Acts.	29
Houses - Housing Acts.	77
Complaints investigated. (Inclusive of houses and hutments under direct control.)	1192
Drains and Drain Tests.	68
Factories and Workshops.	74
Infectious Disease Cases.	3
Rats and Mice Acts.	78
Petroleum Acts.	14
Shops Acts.	16
Interviews with Owners, etc.	14
Revisits to Property under notice.	38
Bakehouses.	8
Fried Fish Shops.	15
Butchers' Shops.	6
Ice Cream Premises.	17
Dairies, Cowsheds and Milkshops.	68
Milk Samples - Designated.	56
do. Ungraded.	5
do. Tuberculosis.	15
do. Rinsed Bottles	43
Tinned Foods and other Articles of Food (Separate articles of food).	341
Houses Disinfested.	1
Miscellaneous	102
Total	2300

Informal Notices served. (9 for dustbins) 19

Sanitary Improvements Effected.

Dwelling Houses:

Repaired or made fit	10
Roofs repaired	99
Floors repaired, ventilated, etc.	13
Plastered walls and ceilings repaired.	40
Windows repaired, made to open, etc.	57
Sashcords renewed.	2
Stairs repaired.	5
Doors repaired, rehung or renewed.	46
Firegrates repaired, reset or renewed.	66
Chimneys or Chimney stacks repaired.	36
New sinks provided and fixed.	2
Sink wastes repaired or renewed.	23
Water supply provided inside houses.	2
Wash Coppers repaired or provided.	11
Copper firesets repaired or renewed.	1
External walls pointed or otherwise repaired	46
Ovens repaired or renewed.	14
External walls cemented or tarred.	2
Eaves gutters and R.W.P. renewed.	16
Dangerous walls repaired.	3
Yard paving repaired.	10
Draining Boards.	8
Drains, Water Closets and Ashes Accommodation:	
Obstructed drains cleansed	41
Obstructed W.C.'s cleansed	4
Drains repaired or reconstructed.	5
W.C. basins renewed	18
W.C. seats renewed.	12
W.C. cisterns repaired or renewed.	90
Dustbins provided.	32

Other Nuisances:	
Smoke (Including deposit gauges).	21
Accumulations	1
Rats and Mice	78
Plumbing repairs	517
Total	<u>1331</u>

